

APPENDIX XI

Macro to update mapping table

Update(L, Data)

(* Use the forwarding information in Data to Update the *)

(* SourceVlanTable corresponding to Link L *)

Protocol Action

RECEIVE_UPDATE(U)

With LinkArray[L] DO

If (U.ServerId = ServerId) and (U.ConnectId = ConnectId) and

(U.SequenceNumber = SequenceNumber + 1) then

Update(L,U.Data)

(* updates Source Mapping

Table *)

SequenceNumber:= U.SequenceNumber;

SendAck(ServerId, ConnectId,SequenceNumber)

Else If (U.ServerId = ServerId) and (U.ConnectId = ConnectId) and

(U.SequenceNumber = SequenceNumber) then

(* duplicate *)

SendAck(ServerId, ConnectId,SequenceNumber)